United States Patent [19] Patent Number: 4,502,162 [11] Gerhard et al. Date of Patent: Mar. 5, 1985 [45] [54] HAPTIC FOR INTRAOCULAR LENS Bayers 3/13 4,316,293 2/1982 [75] Inventors: Gregory J. Gerhard, Seattle; Robert 4,328,595 5/1982 Sheets 3/13 J. Gornstein, Dockton; William M. Graham, Burton; Anilbhai S. Patel, Seattle; John M. Smith, Vashon 4,437,194 3/1984 Hahs 3/13 Island; Wade C. Vaughn, Seattle, all OTHER PUBLICATIONS of Wash. American Medical Optics, Model PC-80, Posterior [73] Assignee: CooperVision, Inc., Palo Alto, Calif. Chamber (Knolle) Intraocular Lenses (Advertisement), American Medical Optics, American Hospital Supply Appl. No.: 539,850 Corp., 1402 East Alton Ave., Irvine, CA 92714 (4 [22] Filed: Oct. 7, 1983 pages), Sep. 1982, 3-13. Int. Cl.³ A61F 1/16; A61F 1/24 Primary Examiner-Ronald L. Frinks U.S. Cl. 3/13 Attorney, Agent, or Firm-Christensen, O'Connor, [58] Field of Search 3/13, 1 Johnson & Kindness [56] References Cited [57] ABSTRACT U.S. PATENT DOCUMENTS An intraocular lens four point contact haptics with an asymmetrical cross section. The ends of each of the 3,971,073 7/1976 Richards et al. 3/13 haptics are contiguously juxtaposed and inserted in a 3,975,779 8/1976 Richards et al. 3/13 3,996,626 12/1976 Richards et al. 3/13 common bore in the periphery of the optic. The legs of 4,012,823 3/1977 Richards 3/13 each of the haptics spiral outwardly in juxtaposed rela-4,014,049 3/1977 Richards et al. 3/13 tionship, separate and extend away from each other to 4,025,965 5/1977 Siegmund 3/13 form eye contacting heel and toe portions residing on 4,143,427 3/1979 Anis 3/13 opposing sides of the inferior-superior axis of the lens. 4,166,293 9/1979 Anis 3/13 When two such haptics are employed, a wide haptic 4,174,543 11/1979 Kelman 3/13 compression range can be achieved with little differen-4,254,511 3/1981 Chase et al. 3/13 tial in compression force. 4,257,130 3/1981 Bayers 3/13 Kelman 3/13 4.268,921 5/1981 4,285,072 8/1981 Morcher et al. 3/13 13 Claims, 4 Drawing Figures

